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Art Unit: 2811

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From : Winston Hsu, Registration No. 41,526

Serial No.: 10/604,245

Attorney Docket No.: KYCP0010USA

Subject: Information Disclosure Statement (IDS)

Total Pages: 29 pages (including cover page)

Winston Hsu 2005/03/23

KYCP0010USA0_D1_1

PTO/SB/97 (09-04)
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Application No: 10/804,245

(1) Transmittal Form	1 PAGE
(2) Fee Transmittal	1 PAGE
(3) Information Disclosure Statement	25 PAGES

This collection of information is required by 37 CFR 1.8. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1.8 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/604,245	
	Filing Date	07/04/2003	
	First Named Inventor	Wen-Huang Liu	
	Art Unit	2811	
	Examiner Name	HU, SHOUXIANG	
Total Number of Pages in This Submission	27	Attorney Docket Number	KYCP0010USA

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ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input type="checkbox"/> Other Enclosure(s) (please identify below):
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<input type="checkbox"/> Reply to Missing Parts/Incomplete Application	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	Remarks	

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	North America Intellectual Property Corporation		
Signature	<i>Winston Hsu</i>		
Printed name	Winston Hsu		
Date	03/23/2005	Reg. No.	41,526

CERTIFICATE OF TRANSMISSION/MAILING			
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Signature			
Typed or printed name		Date	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (12-04)
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Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL For FY 2005

<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27	Complete If Known <table border="1" style="width: 100%;"><tr><td>Application Number</td><td>10/604,245</td></tr><tr><td>Filing Date</td><td>07/04/2003</td></tr><tr><td>First Named Inventor</td><td>Wen-Huang Liu</td></tr><tr><td>Examiner Name</td><td>HU, SHOUXIANG</td></tr><tr><td>Art Unit</td><td>2811</td></tr><tr><td>Attorney Docket No.</td><td>KYCP0010USA</td></tr></table>	Application Number	10/604,245	Filing Date	07/04/2003	First Named Inventor	Wen-Huang Liu	Examiner Name	HU, SHOUXIANG	Art Unit	2811	Attorney Docket No.	KYCP0010USA
Application Number	10/604,245												
Filing Date	07/04/2003												
First Named Inventor	Wen-Huang Liu												
Examiner Name	HU, SHOUXIANG												
Art Unit	2811												
Attorney Docket No.	KYCP0010USA												
TOTAL AMOUNT OF PAYMENT	(\$) 180.00												

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☒ Deposit Account Deposit Account Number: 50-3105 Deposit Account Name: North America Intellectual Property Corp.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

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FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

Total Claims - 20 or HP = x = **Fee Paid (\$)**

HP = highest number of total claims paid for, if greater than 20

Indep. Claims - 3 or HP = x = **Fee Paid (\$)**

HP = highest number of independent claims paid for, if greater than 3

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

4. OTHER FEE(S)

	Fees Paid (\$)
Non-English Specification, \$130 fee (no small entity discount)	
Other: submission of Information Disclosure Statement	180.00

SUBMITTED BY

Signature <u>Winston Hsu</u>	Registration No. (Attorney/Agent) <u>41,526</u>	Telephone <u>302-729-1562</u>
Name (Print/Type) <u>Winston Hsu</u>	Date <u>03/23/2005</u>	

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/088 (08-03)

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/604,245
		Filing Date	07/04/2003
		First Named Inventor	Wen-Huang Liu
		Art Unit	2811
		Examiner Name	HU, SHOUXIANG
Sheet 1	of 1	Attorney Docket Number	KYCP0010USA

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	CHEN-FU CHU et al., Fabrication and Characteristics of Freestanding GaN light emitting Devices by Laser Lift-off Technique. Proceedings of Opto-Electronics and Communications Conference. Jul. 8, 2002, No. 87, Yokohama, Japan	
	2	F. S. SHIEU et al., Effect of a Ti interlayer on the bond strength and thermal stability of the Cu/benzocyclobutene-divinyl tetramethyldisiloxane interface, J. Adhesion Sci. Technol., 1998, pp. 19-28, Vol. 12, No. 1, VSP, Netherlands	
	3	R. H. HORNG et al., AlGaInP light-emitting diodes with mirror substrates fabricated by wafer bonding, Applied Physics Letters, Nov. 15, 1999, pp. 3054-3056, Vol. 75, No. 20, American Institute of Physics, USA	
	4	G. DANG et al., Comparison of Dry and Wet Etch Processes for Patterning SiO ₂ /TiO ₂ Distributed Bragg Reflectors for Vertical-Cavity Surface-Emitting Lasers, Journal of The Electrochemical Society, 2001, G25-G28, Vol., 148(2), The Electrochemical Society, Inc., NJ, USA	
	5	T. MARGALITH et al., Indiumtin oxidecontacts to gallium nitride optoelectronic devices, Applied Physics Letters, Jun. 28, 1999, pp. 3930-3932, Vol. 74, No. 26, American institute of Physics, USA	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENT

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MAR 23 2005

Applicant(s): Wen-Huang Liu et al.
5 Appl. No.: 10/604,245 Filing Date: 07/04/2003
Examiner: HU, SHOUXIANG Art Unit: 2811
Docket No.: KYCP0010USA

Title: LIGHT EMITTING DIODE HAVING AN ADHESIVE LAYER AND
10 A REFLECTIVE LAYER AND MANUFACTURING METHOD THEREOF

To: Commissioner for Patents
P.O. BOX 1450
Alexandria, VA 22313-1450
15

Subject: Information disclosure statement under 37
CFR §1.56

Dear Sir,
20

This is an Information Disclosure Statement in
accordance with the duty to disclose information
material to patentability under 37 C.F.R. §1.56. The
applicant wishes to make of record the documents listed
25 on the accompanying form PTO/SB/08.

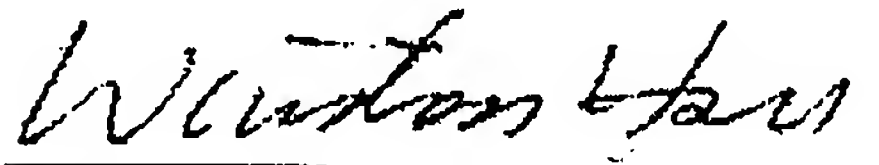
All items of information contained in this IDS were
disclosed by the inventors. Since this IDS is filed after
the mailing date of final Office action but before
30 payment of the issue fee, consideration of the information
disclosure statement is hereby requested according to 37 CFR
§1.97(e).

That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification
5 after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the information disclosure statement.

10

It is respectfully requested that the examiner can consider the document(s) listed on the accompanying form PTO/SB/08 and that it be made of record in the application. The applicants sincerely hope that the examiner initials the
15 cited reference(s) on the form and that a copy of the initialed form be sent to the applicants with the next communication from the examiner.

20 Respectfully submitted,

Date: March 23, 2005

Winston Hsu, Patent Agent No. 41,526
P.O. BOX 506, Merrifield, VA 22116, U.S.A.

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30 talk to me. The time in D.C. is 13 hours behind the Taiwan time, i.e. 9 AM in D.C. = 10 PM in Taiwan).